ABSTRACT

Method and apparatus for evaluating one or more materials 1 in accordance with size of particles. The method includes 2 3 evaluating a spectrum of light reflected from a first 4 group of particles; evaluating a spectrum of 5 reflected from a second group of particle; comparing results of said evaluating of said first group with 6 results of said evaluating of said second group; and 7 8 providing an indication of a state of said material when said comparing produces a predetermined comparison 9 10 result. Distance between a first light conductor for conducting light to the particles and a second light 11 conductor for conducting light from said particles for 12 Monitoring of a process 13 said evaluations may be varied. for changes in particle size as a function of time or to 14 and/or chemical 15 determine various physical characteristics of the particles or a mixture containing 16 17 including homogeneity, may be achieved. same,